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## **B. FILES SUBMITTERS SEND TO MDCH**

This appendix contains information about the files submitters must send to MDCH. These include the following:

- B1 MDCH Proprietary Institutional Header and Trailer Records
- B2 Modulus Eleven Check-Digit Routine
- B3 ANSI X12 837 Claim Interchange Control Structures
  - B3.1 ANSI X12 837 Professional Claim, version 3051 Interchange Control Structure
  - B3.2 ANSI X12 837 Professional and Institutional Claims, version 4010 Interchange Control Structures



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## B1 MDCH PROPRIETARY HEADERS AND TRAILERS

Entities who submit proprietary institutional claims electronically must append header and trailer records to their submissions. These electronic “wrappers” or “envelopes” alert the system of the beginning and ending of a submission.

### B1.1 Institutional Proprietary Header Record

The following Proprietary Header Record is required on all UB-92/EMC v5.0 institutional claims submitted to MDCH. Proprietary remittance files sent from MDCH to submitters contain a similar header.

D.E. #	DATA FIELD NAME	PICTURE	USAGE	FROM	THRU
05	EDI – HEADER – RECORD				
	10 EDI – TYPE                      VALUE "HDDR"	X(4)	4	1	4
	10 EDI – APP                      VALUE "MA"	X(2)	2	5	6
	10 EDI – USER	X(8)	8	7	14
	VALUE "MMISXXXX" OR "DCHXXXX "				
	XX = SERVICE BUREAU CLAIM ID				
	10 EDI – DATE – CYMD (CREATION DATE)	X(8)	8	15	22
	10 EDI – TRANSFER – DATE (OR USE CREATION DATE)				
	15 TRANSFER – YYYY	X(4)	4	23	26
	15 TRANSFER – MM	X(2)	2	27	28
	15 TRANSFER – DD	X(2)	2	29	30
	15 TRANSFER – HH	X(2)	2	31	32
	15 TRANSFER – MINUTE	X(2)	2	33	34
	10 EDI – FILE				
	15 EDI-FILE-BEG                      VALUE "3602"	X(4)	4	35	38
	15 EDI-RUN-TYPE	X(1)	1	39	39
	88 PRODUCTION-RUN                      VALUE "P"				
	88 TEST-RUN                      VALUE "T"				
	15 EDI-BATCH	X(3)	3	40	42
05	FILLER	X(278)	278	43	320

THIS HEADER FORMAT IS COMMONLY USED FOR THE SUBMISSION AND RETURN OF DATA FILES

BETWEEN TRADING PARTNERS AND THE DEPT. OF COMMUNITY HEALTH. THIS HEADER AND

TRAILER RECORD FORMAT **IS REQUIRED ON ALL FILES.**

SDM-312 FORMAT (11-88)



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## B1.2 Institutional Proprietary Trailer Record

The following proprietary trailer record is required on all UB-92/EMC v5.0 institutional claims submitted to MDCH. Proprietary remittance files sent from MDCH to submitters contain a similar trailer.

D.E. #	DATA FIELD NAME	PICTURE	USAGE	FROM	THRU
05	EDI – HEADER – RECORD				
	10 EDI – TYPE                      VALUE "TRLR"	X(4)	4	1	4
	10 EDI – APP                      VALUE "MA"	X(2)	2	5	6
	10 EDI – USERS	X(8)	8	7	14
	VALUE IS "MMISXXXX" OR VALUE "DCHXXXX "				
	XX = SERVICE BUREAU CLAIM ID				
	10 EDI-DATE-CYMD (CREATION DATE)	X(8)	8	15	22
	10 EDI-TRANSFER-DATE (OR USE CREATION DATE)				
	15 TRANSFER-YYYY	X(4)	4	23	26
	15 TRANSFER-MM	X(2)	2	27	28
	15 TRANSFER-DD	X(2)	2	29	30
	15 TRANSFER-HH	X(2)	2	31	32
	15 TRANSFER-MINUTE	X(2)	2	33	34
	10 EDI-FILE				
	15 EDI-FILE-NUMBER              VALUE "3602"	X(4)	4	35	38
	15 EDI-RUN-TYPE	X(1)	1	39	39
	88 PRODUCTION-RUN              VALUE "P"				
	88 TEST-RUN                      VALUE "T"				
	15 EDI-BATCH	X(3)	3	40	42
	10 EDI-RECORD-COUNT	9(6)	6	43	48
	15 EDI-RECORD-COUNT-6                      OR				
05	15 EDI-RECORD-COUNT-10				
05	FILLER	X(272)	272	49	320
(USE THE 6 OR 10 DIGIT EDI-RECORD-COUNT OF YOUR CHOICE)					
THIS TRAILER FORMAT IS COMMONLY USED FOR THE SUBMISSION AND RETURN OF DATA FILES					
BETWEEN TRADING PARTNERS AND THE DEPT. OF COMMUNITY HEALTH. THIS HEADER AND					
TRAILER RECORD FORMAT <b>IS REQUIRED ON ALL FILES.</b>					

SDM-312 FORMAT (11-88)



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## B2 MODULUS ELEVEN CHECK-DIGIT ROUTINE

MDCH-assigned provider IDs incorporate a check-digit assigned by the following Modulus Eleven Check-Digit Routine. The algorithm is presented here so submitters can verify the check-digit before submitting claims. This is provided as reference information only.

<b>a)</b>	Remove the right-most digit (the “check-digit”) from the number to be verified and hold the number for a later comparison.
<b>b)</b>	Multiply each remaining digit by its position number, starting at the right-most place as number 1.
<b>c)</b>	Sum the results of <b>step (b)</b> .
<b>d)</b>	Divide the sum by 11 and round up to the next highest integer. If the result is an integer, it should not be rounded off.
<b>e)</b>	Multiply the result of <b>step (d)</b> by 11.
<b>f)</b>	Subtract the result of <b>step (c)</b> from the result of <b>step (e)</b> . For recipient ID Numbers, if the result is 10, the number is invalid by definition.
<b>g)</b>	Truncate all but the right-most digit of the result of <b>step (f)</b> .
<b>h)</b>	Compare the result of <b>step (g)</b> with the number held in storage from <b>step (a)</b> . If the numbers compared in <b>step (h)</b> are equal, the original ID numbers has the correct check-digit. If the recipient ID does not check, go to <b>step (i)</b> .
<b>i)</b>	If the result of <b>step (g)</b> is greater than 4, subtract 5; otherwise, add 5.
<b>j)</b>	If this result still does not match the check-digit number stored in <b>step (a)</b> , the recipient ID is invalid. The claim should be returned to the provider for correction.

### EXAMPLE:

Provider ID Number: 6375412

**step a)** The numeral 2 is held in storage; the new number is 637541.

<b>step b) –</b>	number	6	3	7	5	4	1
	position number	<u>x6</u>	<u>x5</u>	<u>x4</u>	<u>x3</u>	<u>x2</u>	<u>x1</u>
	result	36	15	28	15	8	1

**step c)**  $36 + 15 + 28 + 15 + 8 + 1 = 103$

**step d)**  $103/11 = 9.3$ , rounded up to 10

**step e)**  $10 \times 11 = 110$

**step f)**  $110 - 103 = 7$

**step g)**  $7 = 7$

**step h)** 2 does not equal 7.

**step i)**  $7 > 4$ , therefore, subtract 5;  $7 - 5 = 2$ . The number checks.



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B3      ANSI X12 837 CLAIM INTERCHANGE CONTROL STRUCTURES

The following pages provide the standards for versions 3051 (for Professional claims only) and 4010 Interchange Control Structures (ICS) (for Professional, Institutional, and Dental claims).

Data clarifications for the 4010 are found at [www.michigan.gov/mdch](http://www.michigan.gov/mdch), then click Providers, Information for Medicaid Providers, Michigan Medicaid Uniform Billing Project, Electronic Claims Submission Information.



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## B3.1 ICS Version 3051

# ICS Interchange Control Structures

Functional Group ID=

### Introduction:

The purpose of this standard is to define the control structures for the electronic interchange of one or more encoded business transactions including the EDI (Electronic Data Interchange) encoded transactions of Accredited Standards Committee X12. This standard provides the interchange envelope of a header and trailer for the electronic interchange through a data transmission, and it provides a structure to acknowledge the receipt and processing of this envelope.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ISA	Interchange Control Header	M	1		
	020	GS	Functional Group Header	O	1		
	030	GE	Functional Group Trailer	O	1		
M	040	IEA	Interchange Control Trailer	M	1		



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B3.1 ICS Version 3051 (continued)

Segment: **ISA** Interchange Control Header  
Position: 010  
Loop:  
Level:  
Usage: Mandatory  
Max Use: 1  
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments  
Syntax Notes:  
Semantic Notes:  
Comments:

Data Element Summary

Ref.	Data	
Des.	Element	Name
Attributes		
M	ISA01	I01 Authorization Information Qualifier M ID 2/2 Code to identify the type of information in the Authorization Information Use "00" 00 No Authorization Information Present (No Meaningful Information in I02)
M	ISA02	I02 Authorization Information M AN 10/10 Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Space fill
M	ISA03	I03 Security Information Qualifier M ID 2/2 Code to identify the type of information in the Security Information Use "00" 00 No Security Information Present (No Meaningful Information in I04)
M	ISA04	I04 Security Information M AN 10/10 This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Space fill
M	ISA05	I05 Interchange ID Qualifier M ID 2/2 Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined
M	ISA06	I06 Interchange Sender ID M AN 15/15 Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element Note:***** Positions 1-4: Your Billing Agent ID number "00XX" Positions 5-15: Space fill
M	ISA07	I05 Interchange ID Qualifier M ID 2/2 Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined



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B3.1 ICS Version 3051 (continued)

M	ISA08	I07	<b>Interchange Receiver ID</b> <span style="float: right;">M AN 15/15</span> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them
			<b>Note:</b> ***** <b>Positions 1-6: "D00111"</b> <b>Positions 7-15: Space fill</b>
M	ISA09	I08	<b>Interchange Date</b> <span style="float: right;">M DT 6/6</span> Date of the interchange <b>Format YYMMDD</b>
M	ISA10	I09	<b>Interchange Time</b> <span style="float: right;">M TM 4/4</span> Time of the interchange <b>Format HHMM</b>
M	ISA11	I10	<b>Interchange Control Standards Identifier</b> <span style="float: right;">M ID 1/1</span> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>USE ONLY THE FOLLOWING VALUE:</b>
M	ISA12	I11	U <span style="float: right;">U.S. EDI Community of ASC X12, TDCC, and UCS</span> <b>Interchange Control Version Number</b> <span style="float: right;">M ID 5/5</span> This version number covers the interchange control segments <b>USE ONLY THE FOLLOWING VALUE:</b> <b>"00305" for version 3051</b>
M	ISA13	I12	<b>Interchange Control Number</b> <span style="float: right;">M N0 9/9</span> A control number assigned by the interchange sender <b>Must be identical to IEA02</b>
M	ISA14	I13	<b>Acknowledgment Requested</b> <span style="float: right;">M ID 1/1</span> Code sent by the sender to request an interchange acknowledgment (TA1) <b>MDCH will return a 997 upon completion of Translation. Enter the following value only.</b> <b>0 No Acknowledgment Requested</b>
M	ISA15	I14	<b>Test Indicator</b> <span style="float: right;">M ID 1/1</span> Code to indicate whether data enclosed by this interchange envelope is test or production <b>P Production Data</b> <b>T Test Data</b>
M	ISA16	I15	<b>Component Element Separator</b> <span style="float: right;">M AN 1/1</span> This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator <b>MDCH suggests that the following value be uses: ":" (colon)</b>





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### B3.1 ICS Version 3051 (continued)

<b>Segment:</b>	<b>GS</b>	<b>Functional Group Header</b>
<b>Position:</b>	020	
<b>Loop:</b>		
<b>Level:</b>		
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To indicate the beginning of a functional group and to provide control information	
<b>Syntax Notes:</b>		
<b>Semantic Notes:</b>	<ol style="list-style-type: none"><li>1 GS04 is the group date.</li><li>2 GS05 is the group time.</li><li>3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.</li></ol>	
<b>Comments:</b>	<ol style="list-style-type: none"><li>1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.</li></ol>	

#### Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
M	GS01	479	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets Use "HC"	M ID 2/2
M	GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners Use your Billing Agent ID Code, an example would be "00XX"	M AN 4/4
M	GS03	124	<b>Application Receiver's Code</b> Code identifying party receiving transmission; codes agreed to by trading partners Use "D00111"	M AN 6/6
M	GS04	373	<b>Date</b> Date (YYMMDD) Format YYMMDD	M DT 6/6
M	GS05	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Format HHMM	M TM 4/4
M	GS06	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender Must be identical to GE02	M N0 1/9
M	GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard Use "X"	M ID 1/2
M	GS08	480	<b>Version / Release / Industry Identifier Code</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed Use "003051"	M AN 1/12
			<b>003051</b>	<b>Draft Standards Approved for Publication by ASC X12 Procedures Review Board through February 1995</b>



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B3.1 ICS Version 3051 (continued)

Segment: **GE** Functional Group Trailer

**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Syntax Notes:**  
**Semantic Notes:** 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated Functional Header GS06.  
**Comments:** 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	Ref. Des.	Data Element	Name	
M	GE01	97	Number of Transaction Sets Included	M N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	
M	GE02	28	Group Control Number	M N0 1/9
			Assigned number originated and maintained by the sender	



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B3.1 ICS Version 3051 (concluded)

Segment: **IEA** Interchange Control Trailer

Position: 040

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	IEA01	I16	Number of Included Functional Groups	M N0 1/5
			A count of the number of functional groups included in an interchange	
M	IEA02	I12	Interchange Control Number	M N0 9/9
			A control number assigned by the interchange sender	
			Must be identical to ISA13	



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B3.2 ICS Version 4010

## ICS Interchange Control Structures

Functional Group ID=

### Introduction:

The purpose of this standard is to define the control structures for the electronic interchange of one or more encoded business transactions including the EDI (Electronic Data Interchange) encoded transactions of Accredited Standards Committee X12. This standard provides the interchange envelope of a header and trailer for the electronic interchange through a data transmission, and it provides a structure to acknowledge the receipt and processing of this envelope.

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max Use</b>	<b>Loop Repeat</b>	<b>Notes and Comments</b>
M	010	ISA	Interchange Control Header	M	1		
M	020	GS	Functional Group Header	M	1		
M	030	GE	Functional Group Trailer	M	1		
M	040	IEA	Interchange Control Trailer	M	1		



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B3.2 ICS Version 4010 (continued)

**Segment:** **ISA** Interchange Control Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange -related control segments

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information <b>USE THE FOLLOWING VALUE ONLY:</b> 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	<b>Authorization Information</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) <b>SPACE FILL</b>	M AN 10/10
M	ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information <b>USE ONLY THE FOLLOWING VALUE:</b> 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
M	ISA04	I04	<b>Security Information</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) <b>SPACE FILL</b>	M AN 10/10
M	ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>USE ONLY THE FOLLOWING VALUE:</b> ZZ Mutually Defined	M ID 2/2
M	ISA06	I06	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element <b>NOTE</b> XXXXXXXXXX Position 1-4: Your Billing Agent ID Number "00XX" Position 5-15: Space Fill	M AN 15/15
M	ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>USE ONLY THE FOLLOWING VALUE:</b> ZZ Mutually Defined	M ID 2/2



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### B3.2 ICS Version 4010 (continued)

M	ISA08	I07	<b>Interchange Receiver ID</b> <span style="float: right;">M AN 15/15</span> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them NOTE XXXXXXXXXX
M	ISA09	I08	<b>Interchange Date</b> <span style="float: right;">M DT 6/6</span> Date of the interchange Format is YYMMDD An example for the date, December 31, 2001 you would use: 011231
M	ISA10	I09	<b>Interchange Time</b> <span style="float: right;">M TM 4/4</span> Time of the interchange The format is HHMM Where H = Hours (0-23) and M = Minutes (0-59). An Example for 02:00 p.m. you would use: 1400
M	ISA11	I10	<b>Interchange Control Standards Identifier</b> <span style="float: right;">M ID 1/1</span> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer USE ONLY THE FOLLOWING VALUE:
M	ISA12	I11	U U.S. EDI Community of ASC X12, TDCC, and UCS <b>Interchange Control Version Number</b> <span style="float: right;">M ID 5/5</span> This version number covers the interchange control segments USE ONLY THE FOLLOWING VALUE: 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997
M	ISA13	I12	<b>Interchange Control Number</b> <span style="float: right;">M N0 9/9</span> A control number assigned by the interchange sender Must be identical to IEA02.
M	ISA14	I13	<b>Acknowledgment Requested</b> <span style="float: right;">M ID 1/1</span> Code sent by the sender to request an interchange acknowledgment (TA1) MDCH will provide a 997 Acknowledgment when translation completes. Use only the following value: 0 No Acknowledgment Requested
M	ISA15	I14	<b>Usage Indicator</b> <span style="float: right;">M ID 1/1</span> Code to indicate whether data enclosed by this interchange envelope is test, production or information NOTE: MDCH will Route and Process this based upon the value selected.
M	ISA16	I15	P Production Data T Test Data <b>Component Element Separator</b> <span style="float: right;">M AN 1/1</span> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator MDCH suggests you use ":" (colon) as the Component Element Separator.

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## B3.2 ICS Version 4010 (continued)

### Segment: **GS** Functional Group Header

**Position:** 020  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a functional group and to provide control information

**Syntax Notes:**

**Semantic Notes:**

- 1 GS04 is the group date.
- 2 GS05 is the group time.
- 3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

**Comments:**

- 1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

#### Data Element Summary

	Ref. Des. Attributes	Data Element	Name
M	GS01	479	<b>Functional Identifier Code</b> M ID 2/2 Code identifying a group of application related transaction sets HC Health Care Claim (837)
M	GS02	142	<b>Application Sender's Code</b> M AN 2/15 Code identifying party sending transmission; codes agreed to by trading partners Use your Billing Agent ID Code. An example would be "00XX"
M	GS03	124	<b>Application Receiver's Code</b> M AN 2/15 Code identifying party receiving transmission; codes agreed to by trading partners Use only the following value "D00111" for Medicaid.
M	GS04	373	<b>Date</b> M DT 8/8 Date expressed as CCYYMMDD Semantic: GS04 is the Group Date. Use this date for the Functional Group Creation Date.
M	GS05	337	<b>Time</b> M TM 4/8 Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Semantic: GS05 is the Group Time. Use this time for the creation time. The recommended format is HHMM.
M	GS06	28	<b>Group Control Number</b> M N0 1/9 Assigned number originated and maintained by the sender Semantic: The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer GE02.



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### B3.2 ICS Version 4010 (continued)

M	GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard Use only the following value: "X"	M ID 1/2										
M	GS08	480	<div>XAccredited Standards Committee X12</div> <b>Version / Release / Industry Identifier Code</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed Use only one of the following codes: <table><tr><th>Code</th><th>Definition</th></tr><tr><td>"004010X098"</td><td>This is to identify the Profession Version Number 4010, of the ASC X12 837 Transaction Set.</td></tr><tr><td>"004010X097"</td><td>This is to identify the Dental Version Number 4010, of the ASC X12 837 Transaction Set.</td></tr><tr><td>"004010X096"</td><td>This is to identify the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.</td></tr><tr><td>"004010X096T"</td><td>"Nursing Facilities" use this is to identify a Test Version of the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.</td></tr></table>	Code	Definition	"004010X098"	This is to identify the Profession Version Number 4010, of the ASC X12 837 Transaction Set.	"004010X097"	This is to identify the Dental Version Number 4010, of the ASC X12 837 Transaction Set.	"004010X096"	This is to identify the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.	"004010X096T"	"Nursing Facilities" use this is to identify a Test Version of the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.	M AN 1/12
Code	Definition													
"004010X098"	This is to identify the Profession Version Number 4010, of the ASC X12 837 Transaction Set.													
"004010X097"	This is to identify the Dental Version Number 4010, of the ASC X12 837 Transaction Set.													
"004010X096"	This is to identify the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.													
"004010X096T"	"Nursing Facilities" use this is to identify a Test Version of the Institutional Version Number 4010, of the ASC X12 837 Transaction Set.													

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B3.2 ICS Version 4010 (continued)

Segment: **GE** Functional Group Trailer

**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Syntax Notes:**  
**Semantic Notes:** 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.  
**Comments:** 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

**Data Element Summary**

	Ref. Des.	Data Element	Name	
M	<u>Attributes</u> GE01	97	<b>Number of Transaction Sets Included</b>	M N0 1/6 Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element
M	GE02	28	<b>Group Control Number</b>	M N0 1/9 Assigned number originated and maintained by the sender Semantic: The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.



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B3.2 ICS Version 4010 (concluded)

Segment: **IEA** Interchange Control Trailer

Position: 040

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data		
Des.	Element	Name	
<u>Attributes</u>			
M	IEA01	I16 Number of Included Functional Groups	M N0 1/5
		A count of the number of functional groups included in an interchange	
M	IEA02	I12 Interchange Control Number	M N0 9/9
		A control number assigned by the interchange sender	